

Clinical Laboratory Update

January 2020

www.milwaukee.gov/healthlab

Phone: (414) 286-3526

Fax: (414) 286-5098

Sexually Transmitted Infections

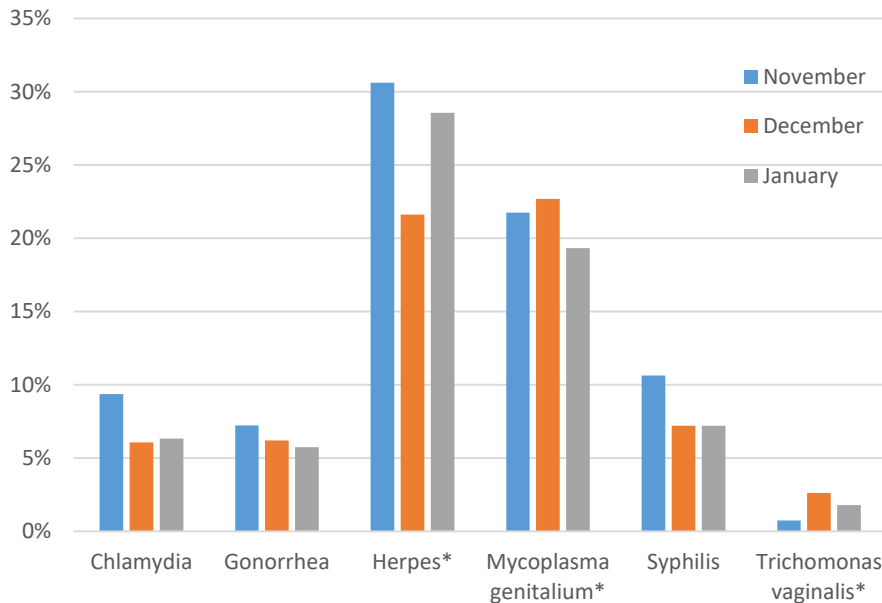


Figure 1: Percent positivity for specimens screened using molecular or serological assays for the given organism.

*Not reportable as per WI DHS 145.04 (3) (a)

Respiratory Infections

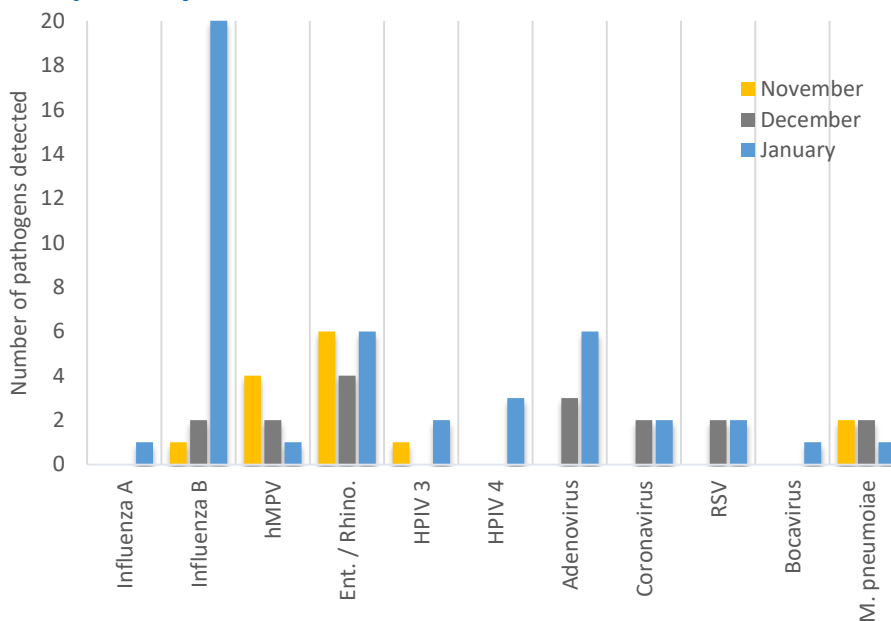


Figure 2: Respiratory pathogens detected using the Luminex® Respiratory Pathogen Panel (RPP) and/or RT-PCR Influenza assay.

From the desk of the Public Health Laboratory Director

2019-nCoV cases are reportable disease conditions in WI

As of February 4, patients under investigation (PUI), suspected or confirmed 2019 novel Coronavirus (2019-nCoV) cases are reportable in WI. There are currently no confirmed cases of 2019-nCoV in the City of Milwaukee. The MHD Laboratory (MHDL) is in the process of verifying the CDC-developed real-time RT-PCR test for 2019-nCoV for use in our laboratory, following the emergency use authorization (EUA) issued by the Federal Drug Administration (FDA). An announcement will be made when we are able to perform this test locally. The ability of MHDL and WSLH to test for 2019-nCoV would reduce the amount of time it takes for patients to receive results, should any local cases arise.

Current information on 2019-nCoV is available at the following links:

- MHD: www.milwaukee.gov/Health/2019ncov.htm
- WI DHS: <https://www.dhs.wisconsin.gov/outbreaks/index.htm>
- CDC: <https://www.cdc.gov/coronavirus/2019-ncov/index.html>

MHD Lab to host career day for students

MHDL is conducting a Laboratory Career Exploration Day for Milwaukee's high school and college students on May 7th, 2020. This exciting event is supported with grant funding from the Association of Public Laboratories (APHL) and is part of our ongoing Laboratory System Improvement Program (L-SIP) efforts. Please feel free to contact us if you are interested in participating or would like to learn more!

Links to related reports:

[MHD SurvNet](#)

[WSLH Laboratory Surveillance Report](#)

[WI DHS Respiratory Virus Surveillance Report](#)

Connect with your
health department:



New HIV Infections

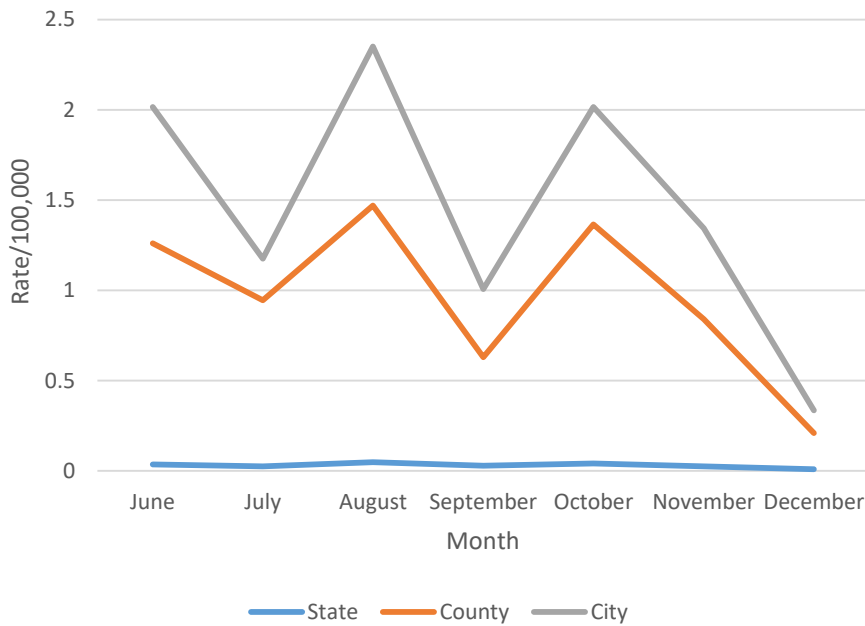


Figure 3: Monthly comparison of rate of new HIV infections in the state of Wisconsin, Milwaukee County, and City of Milwaukee, using state- and county-level data obtained from the Wisconsin Department of Health Services.

For more statewide HIV data, visit: <https://www.dhs.wisconsin.gov/hiv/data.htm>.

Syphilis Surveillance

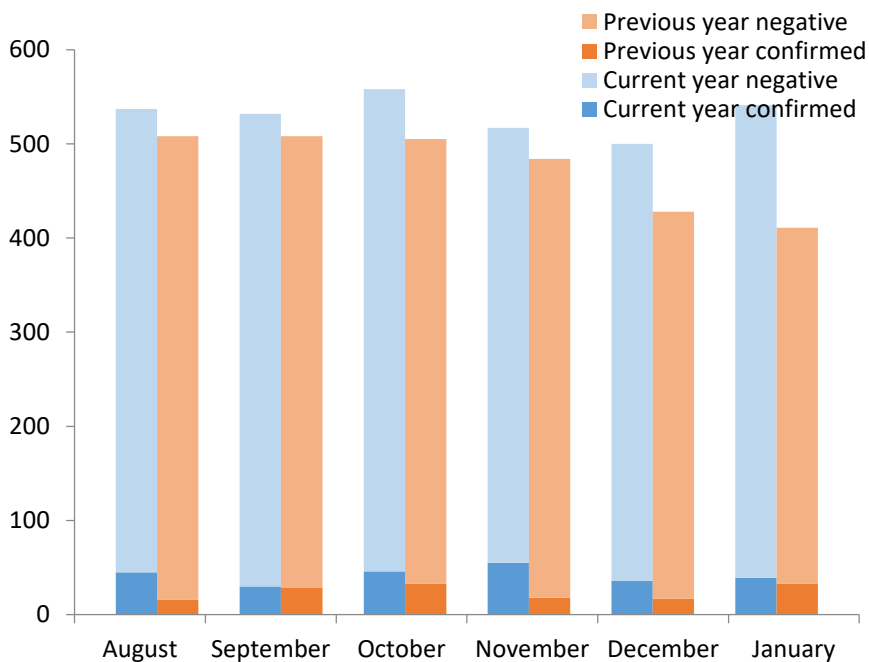


Figure 4: Monthly comparison of syphilis data with year over year comparisons.

Number of specimens screened at MHDH, darker bars represent confirmed tests.

Gonorrhea Antimicrobial Susceptibility Testing

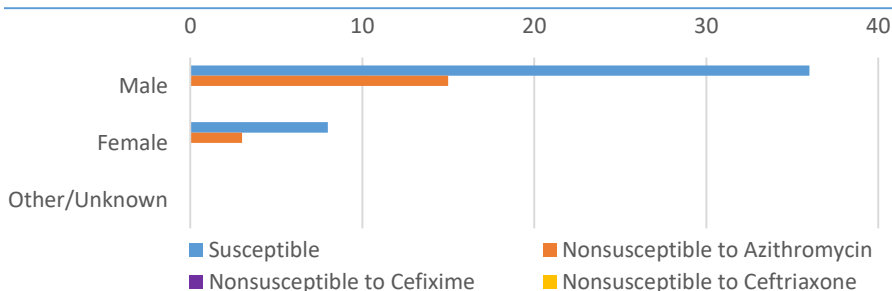


Figure 5: Antibiotic susceptibility profile of Gonorrhea isolates identified in males and females. In January 2020, 18 of 61 cultures tested were found to be nonsusceptible to Azithromycin according to CLSI guidelines. MHDH tests for antibiotic resistance to Azithromycin, Ceftriaxone, Cefixime and Gentamicin.

Sexually Transmitted Infections by Source

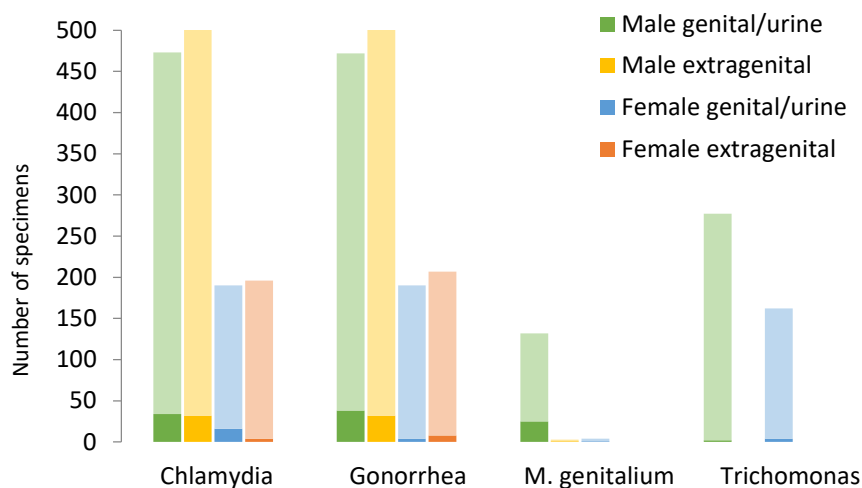


Figure 6: Distribution of STIs detected using NAAT. In December 2019, 6.5% of male and 5.2% of female specimens screened were positive for Chlamydia. 6.6% of male and 3.0 % of female specimens were positive for Gonorrhea. 19.3% of male and 1 of the 4 female specimens were positive for *M. genitalium*. 0.7% of male specimens and 2.5% of female specimens were positive for *Trichomonas*.

Note: Darker bars indicate positive specimens.

Viral surveillance

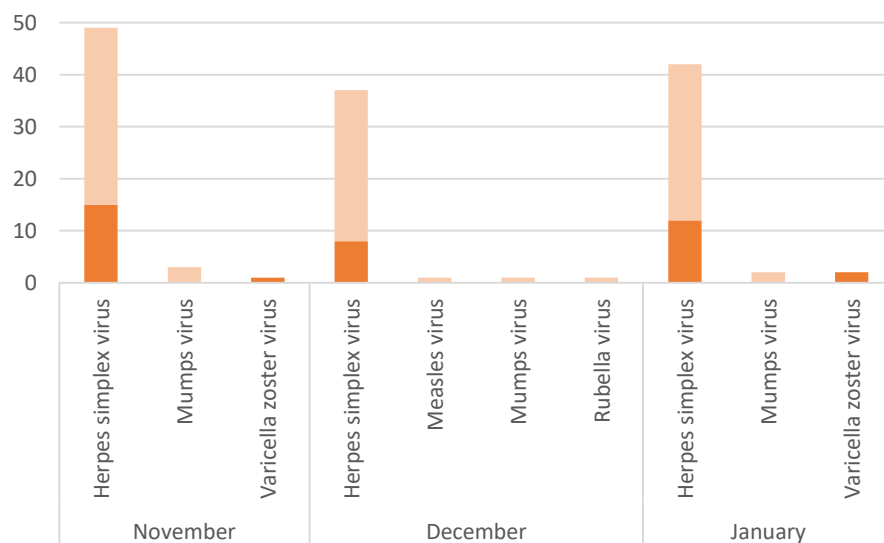


Figure 7: Specimens tested using molecular methods.

Note: Height of bar indicates number of specimens tested.

Darker bars indicate DNA/RNA detected by virus culture, real-time PCR and/or nucleotide sequencing analysis.

Legionella Testing

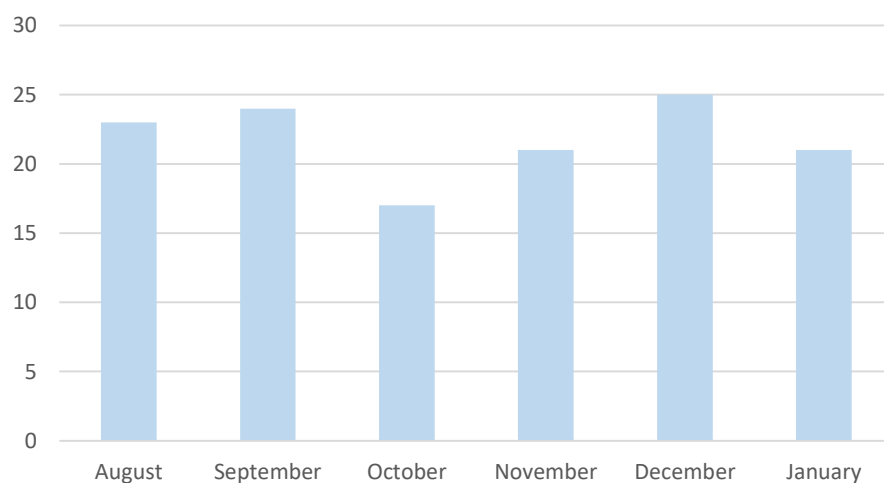


Figure 8: Clinical specimens tested using culture and molecular methods.

*MHDL is one of the **CDC ELITE** certified sites for environmental *Legionella* testing. See the Winter 2019 issue of the [APHL Bridges newsletter](#) for more information.

Note: Darker bars indicate confirmed Legionella pneumophila (none detected) by culture and/or real-time PCR.